

Amendment to Claims

1. (Currently amended) An in-vehicle wireless communication system handset controller comprising:

a central processing unit;

an interface which allows a wireless communication system handset to be controlled by the central processing unit;

~~a memory containing first coded instructions enabling the central processing unit to control telephone number dialing by a wireless communication system handset coupled to the handset controller and to control receipt and sending of messages by the handset, and containing second coded instructions enabling the central processing unit to output a warning to a user if the handset is not coupled to the handset controller;~~

an input unit comprising data input keys larger than keys on a keypad of the handset;

and

an output unit comprising a display larger than a display of the handset, wherein displayed message text characters on the output unit display are larger than displayed message text characters on the handset display, and wherein, while the handset is operationally coupled to the handset controller, the central processing unit executes instructions which allow the keys of the input unit to be used to provide input data to the handset, and which output on the display of the output unit data to be displayed on the handset.

2. (Original) The handset controller of claim 1 further comprising a global positioning system chipset coupled to the central processing unit.

3. (Currently amended) The handset controller of claim 1, wherein ~~at least a~~ portion of the messages are short message service messages are input via the input unit and output through the output unit.
4. (Currently amended) The handset controller of claim 1, wherein ~~the~~ an audible warning is issued when the handset is not operationally coupled to the handset controller audible.
5. (Currently amended) The handset controller of claim 1, wherein ~~the~~ a warning is output if the handset is not operationally coupled to the handset controller and an engine of the vehicle is started.
6. (Currently amended) The handset controller of claim 1, wherein ~~the~~ a warning is output if the handset is not operatinally coupled to the handset controller and the vehicle begins to move.
7. (Original) The handset controller of claim 1, wherein the data input keys are backlighted.
8. (Original) The handset controller of claim 1, wherein the number of data input keys is larger than the number of keys on the handset keypad.
9. (Original) The handset controller of claim 1, wherein the display is backlighted.
10. (Original) The handset controller of claim 1, wherein the display comprises a heads-up display positioned such that a driver of the vehicle sees a displayed image while

looking through a windshield of the vehicle.

11. (Original) The handset controller of claim 1, wherein the controller is rigidly positioned in the interior of a motor vehicle to allow a driver of the vehicle, while seated in a driver's seat, to view messages on the display and to operate the data input keys.

12. (Currently amended) The handset controller of claim 1 further comprising a voice command input unit coupled to allow the user to cause the handset to dial a telephone number ~~to be accessed by the handset~~ and to manage messages received by the handset.

13. (Original) The handset controller of claim 1 further comprising a voice synthesizer unit coupled to audibly output a message received by the handset.

14. (Original) The handset controller of claim 1, wherein the controller is coupled to the handset via a wireless communication link.

15. (Original) The handset controller of claim 1, wherein the handset is a cellular telephone handset.

16. (Original) The handset controller of claim 1 further comprising a power supply coupled to charge a battery in the handset.

17. (Currently amended) A method for controlling a wireless communication system handset, comprising the acts of:

using while the handset is operationally coupled to an in-vehicle controller,

(a) enabling keys on an input unit of an in-vehicle controller to control telephone

number dialing by the handset and to control receipt and sending of messages by to

receive input data for the handset, the keys on the controller being larger than keys on the handset; and

(b) displaying messages received by the handset on a display in an output unit of the handset controller, such that displayed message text characters are larger than message text characters displayed by the handset; and

outputting a warning if the handset is not operationally coupled to the controller.

18. (Original) The method of claim 17 further comprising outputting the warning if an engine of the vehicle is started.

19. (Original) The method of claim 17 further comprising outputting the warning if the vehicle begins to move.

20. (Original) The method of claim 17 further comprising backlighting keys on the controller.

21. (Original) The method of claim 17 further comprising backlighting a display outputting the larger message text characters.

22. (Original) The method of claim 17 further comprising using a heads-up display to display the received messages.

23. (Currently amended) The method of claim 17 further comprising the acts of while the handset is operationally coupled to the handset controller, enabling

a voice interface on the handset controller to control the operations of the handset

~~using a first voice command to dial a telephone number to be accessed by the~~

~~handset; and~~

~~using a second voice command to manage messages received by the handset.~~

24. (Original) The method of claim 17 further comprising using a power supply in the controller to charge a battery in the handset.

25. (Original) The method of claim 17 further comprising the acts of:

using the handset controller to determine a geographic position of the vehicle; and sending the determined position to a computer.

26. (Original) The method of claim 17 further comprising the acts of:

receiving a plurality of messages, wherein each unique received message is formatted by a corresponding unique sender in one of a plurality of communication protocols;

identifying the communication protocol and format of each received message; and outputting each unique received message as formatted by each corresponding unique sender.

27. (Original) The method of claim 17, wherein one of the received messages is a cargo pickup or delivery instruction to a driver of the vehicle.

28. (Currently amended) An in-vehicle wireless communication system handset controller comprising:

a central processing unit;

an interface which allows a wireless communication system handset to be controlled by the central processing unit;

~~a memory containing first coded instructions enabling the central processing unit to control telephone number dialing by a wireless communication system handset coupled to the handset controller and to control receipt and sending of messages by the handset, and containing second coded instructions enabling the central processing unit to output a warning to a user if the handset is not coupled to the handset controller;~~

an input unit comprising data input keys larger than keys on a keypad of the handset; and

an output unit comprising a display larger than a display of the handset, wherein the display is configured to output a number of displayed message text characters larger than a number of displayed message text characters output on the handset display, and wherein, while the handset is operationally coupled to the handset controller, the central processing unit executes instructions which allow the keys of the input unit to be used to provide input data to the handset, and which output on the display the messages to be displayed on the display of the handset.

29. (Original) The handset controller of claim 28 further comprising a global positioning system chipset coupled to the central processing unit.

30. (Original) The handset controller of claim 28, wherein at least a portion of

the messages are short message service messages.

31. (Currently amended) The handset controller of claim 28, wherein ~~the~~ an audible warning is issued if the handset is not operationally coupled to the handset controller ~~audible~~.

32. (Currently amended) The handset controller of claim 28, wherein ~~the~~ a warning is output if the handset is not operationally coupled to the handset controller and an engine of the vehicle is started.

33. (Currently amended) The handset controller of claim 28, wherein ~~the~~ a warning is output if the handset is not operationally coupled to the handset controller and the vehicle begins to move.

34. (Original) The handset controller of claim 28, wherein the data input keys are backlighted.

35. (Original) The handset controller of claim 28, wherein the number of data input keys is larger than the number of keys on the handset keypad.

36. (Original) The handset controller of claim 28, wherein the display is backlighted.

37. (Original) The handset controller of claim 28, wherein the display comprises a heads-up display positioned such that a driver of the vehicle sees a displayed image while looking through a windshield of the vehicle.

38. (Original) The handset controller of claim 28, wherein the controller is

rigidly positioned in the interior of a motor vehicle to allow a driver of the vehicle, while seated in a driver's seat, to view messages on the display and to operate the data input keys.

39. (Currently amended) The handset controller of claim 28 further comprising a voice command input unit coupled to allow the user to cause the handset to dial a telephone number to be accessed by the handset and to manage messages received by the handset.

40. (Original) The handset controller of claim 28 further comprising a voice synthesizer unit coupled to audibly output a message received by the handset.

41. (Original) The handset controller of claim 28, wherein the controller is coupled to the handset via a wireless communication link.

42. (Original) The handset controller of claim 28, wherein the handset is a cellular telephone handset.

43. (Original) The handset controller of claim 28 further comprising a power supply coupled to charge a battery in the handset.

44. (Currently amended) A method for controlling a wireless communication system handset, comprising the acts of:

using while the handset is operationally coupled to an in-vehicle controller,
(a) enabling keys on an input unit of an in-vehicle controller to control telephone
number dialing by the handset and to control receipt and sending of messages by to
receive input data for the handset, the keys on the controller being larger than keys
on the handset; and

(b) displaying messages received by the handset on a display in an output unit of the handset controller, such that a number of displayed message text characters is larger than a number of displayed message text characters output on the handset display; and

outputting a warning if the handset is not operationally coupled to the controller.

45. (Original) The method of claim 44 further comprising outputting the warning if an engine of the vehicle is started.

46. (Original) The method of claim 44 further comprising outputting the warning if the vehicle begins to move.

47. (Original) The method of claim 44 further comprising backlighting keys on the controller.

48. (Original) The method of claim 44 further comprising backlighting a display outputting the larger message text characters.

49. (Original) The method of claim 44 further comprising using a heads-up display to display the received messages.

50. (Currently amended) The method of claim 44 further comprising the acts of:

while the handset is operationally coupled to the handset controller, enabling a voice interface on the handset controller to control the operations of the handset
~~using a first voice command to dial a telephone number to be accessed by the~~

~~handset; and~~

~~using a second voice command to manage messages received by the handset.~~

51. (Original) The method of claim 44 further comprising using a power supply in the controller to charge a battery in the handset.

52. (Original) The method of claim 44 further comprising the acts of:

using the handset controller to determine a geographic position of the vehicle;
and sending the determined position to a computer.

53. (Original) The method of claim 44 further comprising the acts of:

receiving a plurality of messages, wherein each unique received message is formatted by a corresponding unique sender in one of a plurality of communication protocols;

identifying the communication protocol and format of each received message; and outputting each unique received message as formatted by each corresponding unique sender.

54. (Original) The method of claim 44, wherein one of the received messages is a cargo pickup or delivery instruction to a driver of the vehicle.